

CLAIM LISTINGCLAIMS

What is claimed is:

[A golf putter comprising.]

1. (Currently Amended) A golf putter comprising [A] a shaft with a top end and a bottom end, said top end enclosed by a grip
2. and said bottom end fixedly attached to a head at an angle ten degrees or greater
3. from a direction perpendicular to said head and a longitudinal axis extending
4. from said top end to said bottom end;

  

1. 2. (Currently amended) A head having mass, a center of gravity, a top face having an alignment means, a bottom face having a narrow sole and rearwardly and upwardly extending doze portion, a front striking face having a non radial curvature and a sweet spot, a rear section sculpted ([having a cut out]) for concentrating said mass at a point of attachment of a shaft, a heel section and a distal toe section .

  

1. 3. (Withdrawn) The head of Claim 2 wherein said center of gravity is midway between said heel and distal toe sections at a point along a longitudinal axis of a shaft.

  

1. 4. (Original) The head of Claim 2 wherein said top face has an alignment means extending in a radial arc from said front face wherein a fulcrum of said arc is centered at said center of gravity of said head and defines said sweet spot.

  

1. 5. (Original) The head of Claim 2 wherein said bottom face has a narrow sole.

  

1. 6. (Original) The head of Claim 2 wherein said bottom face has a rearwardly and upwardly extending doze.

  

1. 7. (Original) The doze of Claim 6 wherein said doze extends upwardly and rearwardly at an angle of greater than 10 degrees from a horizontal plane.

  

1. 8. (Original) The head of Claim 2 wherein said front striking face has a surface forming a non- radial curvature vertically extending across said front striking face and a non-radial curvature horizontally extending across said front striking face 4 whereby when a golf ball having a surface is struck by said front striking face

5 surface, a one degree loft is imparted to said golf ball over a larger impact zone  
6 regardless of where on said front striking surface said front striking surface  
7 intersects said golf ball surface at a moment of impact.

1. 9. (Original) The front striking face surface of Claim 8 wherein said vertically and  
2. horizontally extending non-radial curvatures are defined by an arc derived from a  
3. smoothing of a series of individual non-radial surfaces across said front striking  
4. face.

1. 10. (Original) The individual non-radial surfaces of Claim 9 whereby each non-radial  
2. surface is defined by an non-radial curvature individually formulated to provide a  
3. surface which when in contact with said golf ball surface imparts a one degree loft  
4. to said golf ball regardless of where on said front striking face surface said front striking face surface  
5. intersects said golf ball surface at a moment of impact.

1. 11. (Currently amended) The rear section of Claim 2 wherein said sculpted rear section [[cut out]] removes  
2. mass from said head whereby said center of gravity is concentrated at an entry point of said shaft  
3. along said longitudinal axis of said shaft rearward of said front face, enabling a pendulum swing by a  
4. golfer.

1. 12. (Withdrawn) The entry point of Claim 11 wherein said entry point is located at a point  
2. midway between said heel and said toe portions of said putter head.

1. 13. (Original) The individual non-radial surfaces of Claim 9 whereby each non-radial  
2. surface is defined by an non-radial curvature individually formulated to provide a  
3. surface which when in contact with said golf ball surface imparts a one degree loft  
4. to said golf ball regardless of where on said front striking face surface said front  
5. striking face surface intersects said golf ball surface at a moment of impact.

[A golf putter comprising:]

14. (Currently Amended) A golf putter comprising: [A] a shaft with a top end and a bottom end, said  
bottom end fixedly attached to a head and a longitudinal axis extending from said top end to said bottom end;

15. (Original) A head having mass, a center of gravity, a top face having an alignment  
1. means, a bottom face having a narrow sole and rearwardly and upwardly

2. extending doze portion, a front striking face having a non-radial curvature and a
3. sweet spot, a rear section and a distal toe section.

1 16. (Withdrawn) The head of Claim 15 wherein said center of gravity may be at any point  
2 between said heel and distal toe sections along a longitudinal axis of said shaft.

1 17. (Original) The head of Claim 15 wherein said top face has an alignment means  
2 extending in a non-radial arc from said front face wherein a fulcrum of said non-  
3 radial arc is centered at said center of gravity of said head and defines said sweet  
4 spot.

1 18. (Original) The head of Claim 15 wherein said bottom face has a rearwardly and  
2 upwardly extending doze.

1 19. (Original) The doze of Claim 18 wherein said doze extends upwardly and rearwardly  
2 at an angle of greater than 10 degrees from a horizontal plane.

1 20. (Original) The head of Claim 15 wherein said front striking face has a surface  
2 forming a non- radial curvature vertically extending across said front striking face  
3 and a one degree loft is imparted to said golf ball regardless of where on said  
4 golf ball surface said front striking surface intersects said golf ball surface  
5 at a moment of impact.

1 21. (Original) The front striking face surface of Claim 20 wherein said vertically and  
2 horizontally extending radial curvatures are defined by an arc derived from a  
3 smoothing of a series of individual non-radial surfaces across said front striking  
4 face.

1 22. (Original) The individual non-radial surfaces of Claim 21 whereby each non-radial  
2 surface is defined by an non-radial contour individually formulated to provide a  
3 surface which when in contact with said golf ball surface imparts a one degree loft  
4 to said golf ball regardless of where on said front striking face surface said front striking surface intersects  
5 said golf ball surface at a moment of impact.

1 23. (Currently amended) The rear section of Claim 15 wherein said sculpted portion [[cut out]]

2 removes mass from said head whereby said center of gravity is concentrated at an entry point of said shaft  
3 along said longitudinal axis of said shaft rearward of said front face, enabling a  
4 pendulum swing by a golfer.

1. 24. (Original) The entry point of Claim 23 wherein said entry point is located at a point  
2. between said heel and said toe portions of said putter head.

1. 25. (Withdrawn) The putter head of Claim 15 being composed of metallic or non-metallic  
2. materials.

[A golf putter head comprising:]

1. 26. (Currently Amended) A golf putter comprising: [A] a head having a top face with an alignment  
means, a bottom face, a front  
2. striking face having a non-radial curvature, a sweet spot and a rear section.

1. 27. (Original) The head of Claim 26 wherein said top face has an alignment means  
2. extending in a non-radial arc from said front face wherein a fulcrum of said non-  
3. radial arc defines said sweet spot.

1. 28. (Original) The head of Claim 26 wherein said front striking face has a surface  
2. forming a non-radial curvature vertically extending across said front striking face  
3. and a one degree loft is imparted to said golf ball regardless of where on said  
4. front striking face surface said front striking surface intersects said golf ball surface at a moment of impact.

1. 29. (Original) The front striking face surface of Claim 28 wherein said vertically and  
2. horizontally extending non-radial curvatures are defined by an arc derived from a  
3. smoothing of a series of individual non-radial contours across said front striking  
4. face.

1. 30. (Original) The individual non-radial surfaces of Claim 29 whereby each non-radial  
2. surface is defined by a non-radial curve individually formulated to provide a  
3. surface which when in contact with said golf ball surface imparts a one degree loft  
4. to said golf ball regardless of where on said front striking face surface said front  
5. striking face surface intersects said golf ball surface at a moment of impact.